

IN THE CLAIMS:

The following listing of the claims replaces all earlier listings and all earlier versions.

1. (Currently Amended) LED, in which A light emitting diode, wherein at least one [[LED]] light emitting diode die [[(3)]] is arranged on an LED-PCB (6) a light emitting diode printed circuit board with a die attach [[(4)]] and the LED-PCB (6) light emitting diode printed circuit board has, on the side opposite opposite to the [[LED]] light emitting diode die [[(3)]], rear side contacts [[(7)]] which if appropriate are formed as plug contacts, characterized in that wherein the rear side contacts [[(7)]] cover over at least the half half the area, preferably the entire area apart from the necessary exceptions, of the LED-PCB light emitting diode printed circuit board. (6). (Fig. 1-3)

2. (Currently Amended) [[LED]] A light emitting diode according to claim 1, characterized in that wherein the rear side contacts [[(7)]] are thermally, and if appropriate electrically, connected with the contact areas (conductor paths 5) on the side of the LED-PCB light emitting diode printed circuit board [[(6)]] towards the [[LED]] light emitting diode die, to the lateral side of the LED-PCB light emitting diode printed circuit board. (Fig. 2)

3. (Currently Amended) [[LED]] A light emitting diode according to claim 1, characterized in that wherein the LED-PCB (6) light emitting diode printed circuit board is a metal core board and in that wherein the [[LED]] light emitting diode die [[(3)]] is applied directly on to the metal core. (Fig. 3)

4. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to claim 1, ~~characterized in that wherein the LED-PCB (6) light emitting diode printed circuit board~~ is a metal core board and ~~in that wherein~~ there is arranged between the conductor paths and the metal core an electrically non-linear insulator material.

5. (Currently Amended) ~~[[LED]]~~ A light emitting diode according to any of claims 1—4 claim 1, characterized in that ~~wherein the LED die~~ light emitting diode die is mounted face down on the ~~[[LED]]~~ light emitting diode die.

6. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source having one or more ~~[[LEDs]]~~ light emitting diodes according to ~~any of claims 1 to 5 claim 1~~ arranged on a board ~~[[9]]~~ or on a plug, wherein the board ~~[[9]]~~ has contact areas ~~(conductor paths 8)~~, or the plug has contacts, with which the ~~[[LEDs]]~~ light emitting diodes are contacted, ~~characterized in that wherein~~ the rear side contacts ~~[[7]]~~ of the ~~[[LEDs]]~~ light emitting diodes are soldered with the contact surfaces or with the contacts on at least ~~the half~~ half the area of the ~~LED-PCB light emitting diode printed circuit board~~, preferably over the entire area apart from the necessary exceptions. (Fig. 1)

7. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source according to claim 6, ~~characterized in that wherein~~ a cooling body ~~[[11]]~~ is arranged on the rear side of the board ~~[[9]]~~. (Fig. 1)

8. (Currently Amended) ~~[[LED]]~~ A light emitting diode light source according to claim 7, ~~characterized in that~~ wherein the board ~~[[(9)]]~~ and/or the LED PCT ~~(6)~~ light emitting diode printed circuit board has through-contacts for increasing the thermal conductivity, whereby ~~preferably~~ the through-contacts have a diameter of less than 100 μm .